

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

(Z) 00052 P US

U.S. APPLICATION NO. (IF KNOWN SEE 37 CFR  
10/338,282 **10/500951**INTERNATIONAL APPLICATION NO.  
**PCT/EP01/07431**INTERNATIONAL FILING DATE  
**29/06/2001**PRIORITY DATE CLAIMED  
**7 July 2000**

## TITLE OF INVENTION

**Detector for Varying Pressure Ranges, and Electron Microscope with a Corresponding Detector**

APPLICANT(S) FOR DO/EO/US

**Gnauck et. al.**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371-(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☒ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **ER 445923598 US**
23. ☒ Other items or information:

## General Authorization to Charge Fees and Acknowledgement Postcard

PTO 2038 authorizing charging a credit card for all fees and Express Mail Certification

Petition to Revive an Unintentionally Abandoned PCT and Statement Regarding Abandonment (Attachment A)

2 sheets of drawings and Marked-up Specification showing changes to the Certified English Translation

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.101) **10/358,382**  
**104500951**  
 INTERNATIONAL APPLICATION NO. **PCT/EP01/07431**  
 ATTORNEY'S DOCKET NUMBER **(Z) 00052 P US**

24. The following fees are submitted:				CALCULATIONS PTO USE ONLY	
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b> <input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1080.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$920.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00 <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>					
				\$1,080.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	21 - 20 =	1	x \$18.00	\$18.00	
Independent claims	2 - 3 =	0	x \$86.00	\$0.00	
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>	\$0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,228.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$0.00	
<b>SUBTOTAL =</b>				\$1,228.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				\$130.00	
<b>TOTAL NATIONAL FEE =</b>				\$1,358.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).			<input checked="" type="checkbox"/>	\$40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$2,728.00	
				Amount to be: refunded	\$
				charged	\$


- a. ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.
- c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **11-0665**
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**M. Robert Kestenbaum**  
 Registration No. 20,430  
 11011 Bermuda Dunes NE  
 Albuquerque, NM 87111  
 (505) 323-0771  
 Fax: (505) 323-0865

NOTE: TOTAL (\$2,728) INCLUDES \$1,330 FOR PETITION TO REVIVE FOR UNINTENTIONAL ABANDONMENT FEE

  
 SIGNATURE

**M. Robert Kestenbaum**  
 NAME

**20,430**  
 REGISTRATION NUMBER

**12-30-2003**  
 DATE

Rec'd PCT/PTO 30 DEC 2004

10/500951

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Entry Into National Stage for PCT/EP01/07431  
Subsequent Continuation Application of PCT/EP01/07431 claiming priority of  
German Patent Applications 100 32 599.8 filed July 7, 2000 and 101 26 698.7  
filed May 31, 2001 when Petition to Revive PCT/EP01/07431 is granted  
Applicants: Peter GNAUCK et al.  
US Patent Application 10/338,282  
Attorney Docket (Z) 00052 P US

Mail Stop PCT Legal  
PO Box 1450  
Commissioner for Patents  
Alexandria, Va. 22313-1450

General Authorization to Charge Fees

Dear Sir or Madam:

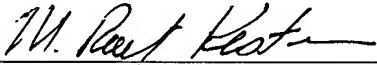
In accordance with Rule 1.136 (a) (3), please charge additional required fees  
which come due with respect to this application, including extension fees, and credit any  
overpayments to Deposit Account 11-0665. A duplicate of this page is enclosed for this  
purpose.

Also, please provide extensions of time as required for timely receipt of  
concurrent or future correspondence and other documents submitted in this application  
and charge the appropriate extension fees to Deposit Account 11-0665.

Respectfully submitted,



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<b>CERTIFICATE OF MAIL BY "EXPRESS MAIL" (37 CFR 1.1)</b>			Docket No. (Z) 00052 P US
Applicant(s): Gnauck et al.			
Serial No. PCT/EP01/07431	Filing Date 29 June 2001	Examiner N/A	Group Art Unit N/A
Invention: Detector for Varying Pressure Ranges, and Electron Microscope With a Corresponding Detector			
I hereby certify that the following correspondence: <div>Petition to Revive an Unintentionally Abandoned International Application as per Transmittal Letter</div> <p>(Identify type of correspondence)</p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p> <p>December 30, 2003 (Date)</p> <div>M. Robert Kestenbaum (Typed or Printed Name of Person Mailing Correspondence)</div> <div> (Signature of Person Mailing Correspondence)</div> <div>ER 445923598 US (Express Mail Mailing Label Number)</div>			
<div>ER 445923598 US</div> <p>Note: Each paper must have its own certificate of mailing.</p>			